

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) An armature of a rotary electric machine, the rotary electric machine comprising:

an armature on which a plurality of coils are formed by winding a winding wire between two slots, having a predetermined number of slots therebetween, of a plurality of slots provided side by side in a circumferential direction of the armature to conduct an electric current to adjoining commutator segments; and

a yoke provided with magnetic poles,

wherein the number of slots are half the number of commutator segments, and

the coils are formed as a plurality of pairs of coils, each pair of coils respectively conduct an electric current to commutator segments adjoining at both sides in the circumferential direction with reference to an arbitrary commutator segment,

the pair of coils facing opposite poles positioned different from each other, one coil of the pair of coils being wound in a normal winding state, and the other coil of the pair of coils, in a reverse winding state.

2. (Previously Presented) The armature of a rotary electric machine according to claim 1, wherein the rotary electric machine is formed with N magnetic poles, n slots, and $2n$ commutator segments, a pair of coils that respectively conduct an electric current to three commutator segments adjoining at both sides in the circumferential direction with reference to an arbitrary commutator segment have an angle of approximately $(360/N)$, and one coil thereof is wound as a normal winding coil, and the other coil, as a reverse winding coil.

3. (Previously Presented) The armature of a rotary electric machine according to claim 1, the rotary electric machine comprising N magnetic poles, n slots, and $2n$ commutator

segments, wherein a number $(2n/N)$ obtained by dividing the number of commutator segments by the number of magnetic poles is a natural number, and $((2n/N)-1)$ coils formed in a manner respectively conducting an electric current to $(2n/N)$ pieces of arbitrary commutator segments adjoining in the circumferential direction have an angle of approximately $\{(1+2m) \times (360/N)\}$ where m is a natural number including 0 and are wound so that a normal winding alternates with a reverse winding.

4. (Previously Presented) The armature of a rotary electric machine according to claim 1, wherein the coils are wound with one slot therebetween.

5-7. (Canceled)

8. (Previously Presented) (Currently Amended) The armature of a rotary electric machine according to claim 1, wherein the armature comprises two layers of coils wound in the radial direction, and with reference to an arbitrary slot, a pair of first coils in the radial direction to be wound with the arbitrary slot therebetween and a pair of second coils in the radial direction to be wound with a slot adjoining the arbitrary slot therebetween are wound at a winding amount based on a preset ratio.

9. (Previously Presented) The armature of a rotary electric machine according to claim 8, wherein in the first coils and second coils, each pair of coils are wound with a positional displacement from each other in the radial direction.

10. (Previously Presented) The armature of a rotary electric machine according to claim 1, wherein adjoining slots are formed so that a groove width of one slot is narrower at an inner diameter side and wider at an outer diameter side and a groove width of the other slot is wider at an inner diameter side and narrower at an outer diameter side.

11-24. (Canceled)